

SITE NUMBER: CW-L1-02
LOCAL NAME: Mule Pasture
WRIA:

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Clearwater **DATE:** 4/14/88 **OBSERVER:** Nettnin

CHANNEL TYPE: Terrace Tributary (wall-based)

TRIBUTARY TO: Unnumbered LB trib of the Clearwater River (RM 0.5)

SITE LOCATION: River mile - 0.2 R.B. (Stream catalog)

LEGAL DESCRIPTION:

UPPER END LOWER END

DISSOLVED OXYGEN: (Not taken this date. See subsequent evaluation)

WATER TEMP.: 48 F 50 F

AIR TEMP.: 55 F 51 F

FLOW (CFS): 0.25 0.5 - 1.0

SUBSTRATE TYPE: Silt, except for spawning pad in upper channel.

SITE SIZE: Length- 900 m (plus 250m of small trib channels)
 Width- 1.5 to 6 ft (excluding ponds)
 Depth- 6 to 8 inches (excluding ponds)

WATER SOURCE: Springs

DIRECTIONS TO SITE: Head north on Highway 101. Turn right 0.9 miles beyond mile post 146, onto the Clearwater Rd. Continue north on the Clearwater Rd. 1.6 miles. Turn right onto a gated gravel road which runs through a cow pasture. This road leads to the main pond. See attached map.

FISH ACCESS AND CURRENT USE: Good access. Some coho winter rearing appears to be taking place. Summer rearing may also occur.

FLOODING POTENTIAL: Low to moderate.

LANDOWNER: D.N.R. and possibly others.

COMMENTS & RECOMMENDATIONS: The main pond was enlarged and deepened and a spawning pad was constructed in the upper channel by WDF in 1983. There are currently three abandoned migrant trapping sites in the channel. The spawning pad does not show signs of use. The main pond was used by WDF in the spring of 1987 as a coho imprinting pond. Adults are expected to return in the fall of 1988. Removal of a small amount of woody debris downstream of the Clearwater Rd. may be desirable.

SITE NUMBER: CW-L1-02
RIVER SYSTEM: Clearwater
POND NAME: Main Pond

POND DATA SUPPLEMENT

DATE: 4/14/88

INLET OUTLET

DISSOLVED OXYGEN: (Not taken this date. See subsequent evaluation)

WATER TEMPERATURE: 48 F 52 F <)9><)3>

POND SIZE:

LENGTH - 160 m *

WIDTH - 35 m *

DEPTH - Maximum = 8ft Average= 2-6 ft*

(If dry est. depth from high water mark on bank)

WATER SOURCE: Terrace trib.

FISH ACCESS & CURRENT USE: Good access. Fish were observed hitting the surface. Assumed these were wild juvenile coho.

TYPE & AMOUNT OF IN POND COVER: Some woody debris and aquatic plants. A floating dock may provide some cover. The depth and color of the water also provides cover. Overall cover may be lacking.

COMMENTS: This pond was enlarged and deepened by WDF in 1983. It was used in the spring of 1987 as an coho imprinting pond. Low dissolved oxygen problems were encountered before these fish were released. Adults should return in the fall of 1988.

The placement of root wads or other L.O.D. might be considered to provide additional cover.

*Length, width and depth data above were derived from figure 9 in Peterson's report (Progress Report No. 233). Further data detailing parameters of the pond and other background information should be available.

GPS: (decimal degrees, Datum WGS84):

Upper project: N47.56163, W124.28745 - 11/5/02

Pond outlet: N47.55950, W124.28358 - 11/5/02

SITE NUMBER: CW-L1-02
RIVER SYSTEM: Clearwater
POND NAME: Small pond

POND DATA SUPPLEMENT

DATE: 4/14/88

INLET OUTLET

DISSOLVED OXYGEN: (Not taken on this date)

WATER TEMPERATURE: 48 F 50 F

POND SIZE:

LENGTH - 40 m

WIDTH - 30 m

DEPTH - 6-8 inches

(If dry est. depth from high water mark on bank)

WATER SOURCE: Terrace trib.

FISH ACCESS & CURRENT USE: Good access but no fish were observed.

TYPE & AMOUNT OF IN POND COVER: Mostly aquatic plants.

COMMENTS: It appears if this pond were deepened it would provide a dependable rearing area. The small side tribs just upstream may be able to support small egg boxes. This could provide an inexpensive alternative which would insure the imprinting process.

DATE: 5/4/88

OBSERVER: Young

OBSERVATIONS: D.O. samples were taken at the inlet and outlet of the main pond. The results are reported below.

Site #1: Outlet of pond.

Air Temp: 10.5 C

Water Temp: 12.5 C

D.O. : 12.0 mg/l

Site #2: Inlet of pond.

Air Temp: 10.5 C

Water Temp: 9.0 C

D.O. : 12.0 mg/l

DATE: 10/15/97

OBSERVER: Nettnin

- Old trap boxes, sheds, post and a screen are still in the stream. Should be cleaned up.
- Fence is in a poor state of repair. Trees through it, broken wires, cattle have free run.
- Dock is in need of repair or removal.
- Pond needs cover added.
- Stream could use fencing. Cattle have caused some wallows.
- Could add gravel for spawning below the culvert.

DATE: 3/12/98

OBSERVER: Nettnin

Fence needs repair. Project itself looks good. Risers were observed in and downstream of the pond.

DATE: 9/98

OBSERVER: Nettnin

- During September a fence was installed along the RB of trib from the county road to the access road for the transfer station. DNR purchased the materials.
- The channel was watered from the uppermost trib to the pond. The channel was dry from the pond to the lower trib, then watered from there to the river.
- DNR removed the dock, it is still on location.
- All old trapping materials were removed.

DATE: 10/15/98

OBSERVER: Nettnin

- Old Trap boxes, sheds, post and a screen have been removed.
- Fence has been extended from the county road to the county transfer station, keeping cattle away from the creek and pond, except for the watering station.
- Dock has been removed.
- Pond still needs cover added.

DATE: 5/5/99

OBSERVER: Nettnin

Project was inspected and found to be in good condition.

DATE: 11/8/99

OBSERVER: Nettnin

Cattle not in the pasture at this time. Fence is holding well. There are a few loose wires but it is not a problem.

DATE: 7/12/00

OBSERVER: Nettnin

Everything looked okay. The stumps that were placed in the pond in 1999 will be anchored this summer.

DATE: 11/1/00

OBSERVER: Nettnin

Overall, the project is in good shape. The fence strands are loose in places but are okay. The cover in the pond still needs to be anchored.

DATE: 4/4/01

OBSERVER: Nettnin

Everything looked good. The large woody debris needs to be distributed and secured against high water. Rises were observed on the pond.

DATE: 3/28/02

OBSERVER: Nettnin

Project looks good. Opened gates and removed a section of fence to allow better elk movement. Observed one poached elk and there was one dead elk along the fence. It may have gotten tangled in it.

DATE: 7/11/02

OBSERVER: Nettnin

Distributed and anchored stumps in the pond for cover.

DATE: 11/05/02

OBSERVER: Nettnin

Flow out of the pond is at a trickle. Removed the debris from the old dock. Opened the gates to allow elk to move without crossing the fence.

GPS: (decimal degrees, Datum WGS84):

Upper project: N47.56163, W124.28745
Pond outlet: N47.55950, W124.28358

DATE: 11/13/02

OBSERVER: Nettnin

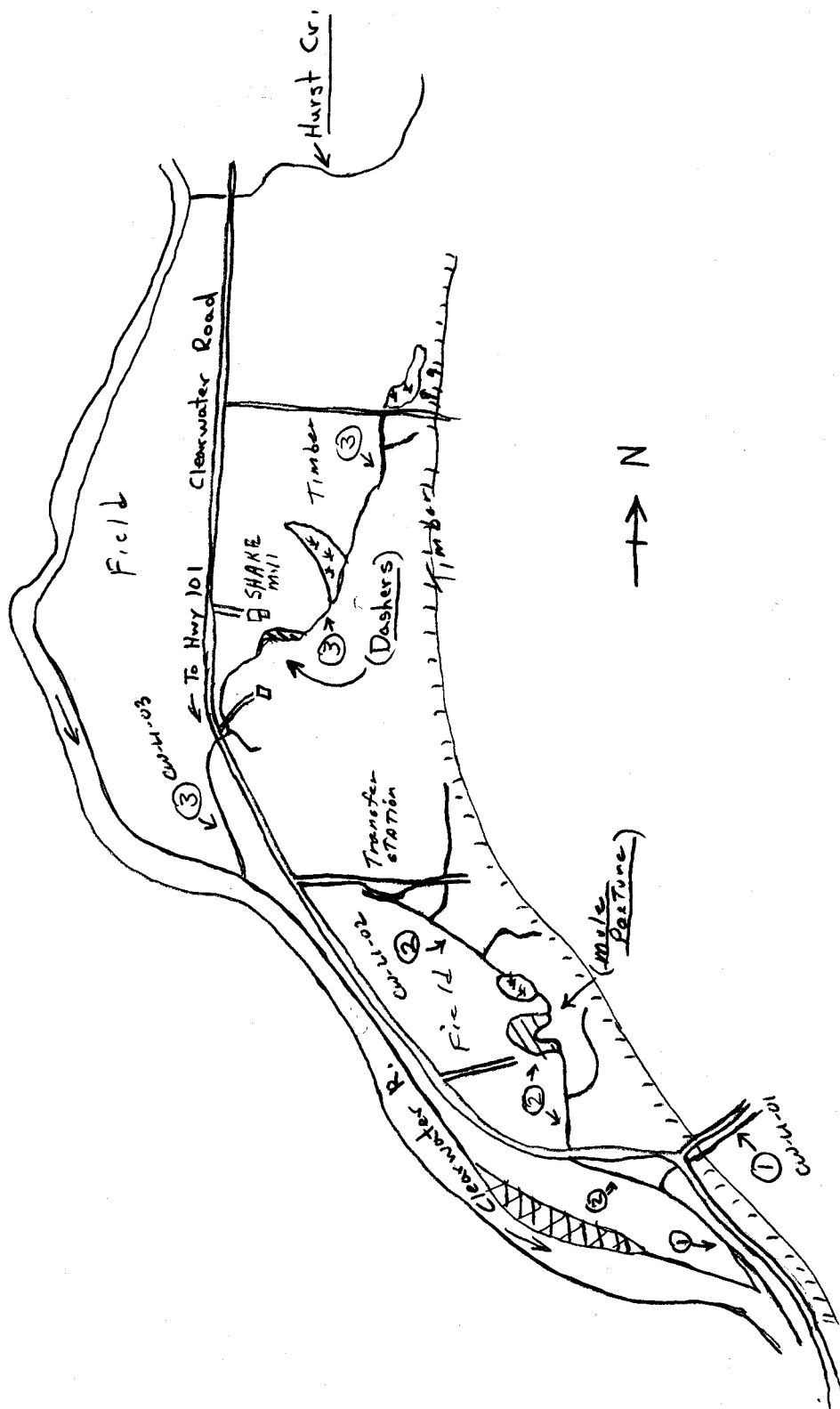
It has been raining and the flows have improved. The flow still is not average mid winter level. Observed risers in the pond. Hooded mergansers and kingfishers were working the pond.

DATE: 10/21/03

OBSERVER: Nettnin

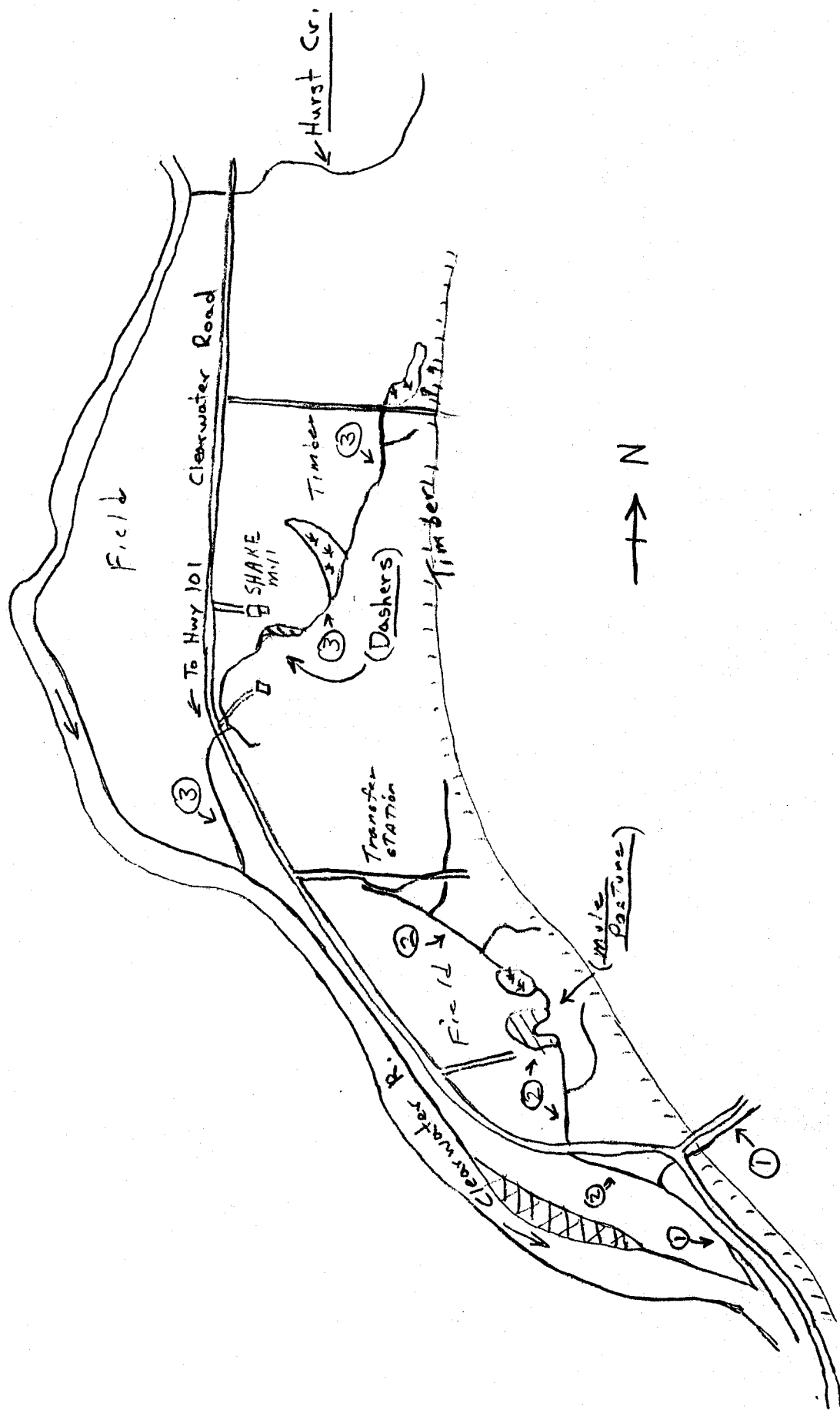
The project is in good shape the fence strands are loose in places, but ok.
It has been suggested to DNR to remove the wire from the fence along the channel. They are receptive to the suggestion.

CW-11-02
MULE PASTURE



Clearwater River Site: CW-41

Over view Map



A detailed topographic map of the Clearwater River area. The map features contour lines indicating elevation, with labels such as 100, 200, 300, and 400 feet. A prominent yellow-shaded area, labeled 'CW-1' in red, is situated in the center-right of the map, adjacent to the Clearwater River. The river is labeled 'CLEARWATER RIVER' and flows from the upper left towards the lower right. Other labeled features include 'Elk Creek', 'Boulder Creek', 'Gravel Pits', 'Fisher Rapids', and 'Indian Reservation'. A dashed line labeled 'BOUNDARY' runs horizontally across the lower portion of the map. The map is overlaid with a grid of vertical and horizontal lines. Handwritten red text at the top right corner reads 'Clearwater R. Site CW-1'. The map is marked with various numbers, including 12, 13, 14, 15, 18, 19, 20, 24, 25, 29, 30, and 31, which likely correspond to specific locations or elevations. The map is oriented with North at the top, as indicated by a small 'N' symbol in the lower right corner. The map is a black and white reproduction of a physical map, with the yellow shading and red text added for emphasis. The map is a detailed topographic map of the Clearwater River area, showing contour lines, elevation, and various geographical features. The yellow-shaded area is a key feature, representing the site of interest. The map is a valuable resource for understanding the local geography and the location of the site.

